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FILE 'USPAT' ENTERED AT 14:30:30 ON 14 MAR 1999

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1. 5,078,927, Jan. 7, 1992, Process for making raw material bodies especially for the production of silicon or silicon alloys; Gert-Wilhelm Lask, 264/29.3; 44/564, 569, 591, 597, 599; 264/117, 122; 423/345, 349 [IMAGE AVAILABLE]

US PAT NO: 5,078,927 [IMAGE AVAILABLE] L1: 1 of 2

ABSTRACT:

Raw material bodies such as briquettes, for use in the production of silicon or silicon alloys, are formed by mixing a pitch and caking coal at a temperature above 100.degree. C. and up to 200.degree. C. to form a pitch/coal alloy. This hot binder composition is mixed with sand and a noncaking carbon carrier at a temperature in this range to form the starting composition from which preforms are pressed. The preforms are subjected to a heat treatment which involves raising the temperature to above 450.degree. C., preferably in a sand filled rotary furnace to harden the preforms into the bodies.

2. 4,071,612, Jan. 31, 1978, Process for the incineration of contaminated salt-bearing solutions; Horst Weyer, et al., 423/659, 1, 437.1, 580.1, DIG.16 [IMAGE AVAILABLE]

US PAT NO: 4,071,612 [IMAGE AVAILABLE] L1: 2 of 2

ABSTRACT:

Process and apparatus for incinerating contaminated salt-bearing solutions in a fluidized bed to which streams of solution, of fuel required for incineration and of combustion air are injected and the quantities of these streams and the quantity of the fluidized bed material are adjusted to safeguard incomplete combustion in the fluidized bed, to maintain the temperature of the bed below the fusion temperature of the salt and to achieve a post-combustion temperature of 800.degree. C and more of the gas emanating from the fluidized bed and reaching the free space above the bed, i.e. the afterburner.

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